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FINAL		K ORDEP		ON-SITE CONTRACTOR		
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			A TABLETOP REVIEV	W MEETING HAS BEEN SCHEDULED		
			ON	AT AM PM		
			IN ROOM	IN BUILDING		
PROJECT/WCF NUMBER BLDG: T	TITLE:	L	8			
	BUILDIN	9	64 REMOVAL			
INITIATOR (Print, Sign)				DATE EXT.		
LINDA EHRLICH Sym	la Chlul	.,,,,		12/1/94 7949		
EO COORDINATOR (Print, Sign)	٠.			DATE EXT.		
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IA-A-000742

Date 12 · 1 - 97 205





PROJECT COVER/INDEX SHEET

PROJECT NUMBER: 989884						
TITLE: BUILDING 964 REMOVAL	Po o'				DATE:	11/28/94
TEAM MEMBERS: L. EHRLICH OF ENG., M. AUSTIN	oleno,		_of	.,		of,
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NOTE: Documents not kept in Engineering Documentation which are listed shall reference the storage location.			45°2	¥		
GES SCREEN			R	1		
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ENGINEERING WORK PLAN - DESIG	N INPUT		R	١		
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AREA PLOT PLAN 3000-001		<u> </u>	В	1		
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Approval: R.P. Campbell/RP Complet 12/11	H&S Desig	gn Revie	ew: <u>K</u>	EN MO	OHR K	printeign/date
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Attach continuation page(s) if needed DES-207/8 7(7) 8/15/94

(08/15/94)

APPENDIX 6 Page 1 of 1

GES SCREEN

Job	#: <u>989884</u> Bldg. <u>940</u>	1	
Title	BUILDING 964 REMOVAL		
Des	cription:		
SEC	TION A - NUCLEAR WORK PROCESS REQUIRED	Y	И
1.	Does work affect/modify Vital Safety Systems		<u>x</u>
	 a. Modify VSS hardware, software or require a change in VSS? b. Impact a vital safety function during installation, modification, or repair? c. Will this work create a "Violation" with respect to any Criticality Safety Operating Limit (CSOL) or Nuclear Material Safety Limit (NMSL), or is a new CSOL or NMSL required? 	<u> </u>	×
	 d. Will this work require any modification, addition or deletion of an existing VSS procedure? e. Will this work impact any system for which credit is taken in an Operational 	******	X
•	Safety Requirement (OSR)? f. Will this work create an "Out-of-Tolerance" with respect to an OSR Limiting Condition of Operation (LCO)?		X
2.	Does work involve Hazardous Chemicals of sufficient quantity and/or type to pose potential for catastrophic events? (If applicable, refer to COEM, Section 6.3.6, Appendix 6).		_X_
SECT	TION B - SAFEGUARDS AND SECURITY SYSTEMS		
1.	Does work affect Saleguards and Security Systems:		_X_
SECT	TION C - ENGINEERING SUPPORT PROGRAM (ESP) ELIGIBILITY		
are "	e answer to any of the above questions is "yes," then this modification does not qualify for no," use GES program. Tasks "failing" the screen may still use GES program, if Appendic EDMPP development is approved by E&SS management.	or GES. If all lix 7 and Sec	ll answer tion 6.4
1.	Work is assigned to: GES program		
	LINDA EHRLICH Synds Child 11/2/194 Preparing Engineer Date		

DES-207/6 1(1) 8/15/94

3

SYSTEM CLASSIFICATION FORM					
WORK CONTROL NO. 989884 TITLE: BUILDING 964 REMOVAL					
System Name: NONE					
Bidg.: 964 Location: EAST OF POND 207B CENTRAL					
6.1.1 SYSTEM REFERENCE DOCUMENTS: NONE					
6.1.2 SYSTEM FUNCTIONS AND OPERATING MODES NOT APPLICABLE					
6.2 SYSTEM CLASSIFICATION (Identity references from those documents listed in Section 6.1.1 and enter technical justification on appropriate space below).					
Category O1 O2 O3					
Basis: THE BUILDING DOES NOT MEET THE REQUIREMENTS OF SYSTEMS CATEGORY 1 OR 2. IT IS NOT RELIED UPON FOR WORKER PROTECTION FROM RADIOLOGICAL OR TOXIC HAZARDS. IT IS NOT REQUIRED FOR PROTECTION OF SNM, CLASSIFIED MATERIAL OR SITE RESPONSE EMERGENCY. THE BUILDING DOES NOT HAVE A FIRE SPRINKLER SYSTEM. THIS BUILDING IS A SYSTEM CATEGORY 4.					
LINDA EHRLICH Cognizant Engineer Cognizant Engineer Signature Ext/DP Date					

6.3.6/2-1(1) 07/28/93

ENGINEERING WORK PLAN

FOR

BUILDING 964 REMOVAL

OCTOBER 1994

Mark Austin Project Engineer

DESIGN INPUT

TE Vran	10-11-94
T. Kramer, Work Package Manager / Project Manager	Date
M. R. Austin, Project Engineer	10/11/94 Date
J. Fauble, ER Design Engineering	Date

Revision Record

Rev#	Purpose	Date	Approval(s)
0	Original Issue	10-10-94	

1.0 Project Identification

The purpose of this project is to remove Building 964 to allow for the IM/IRA Phase I closure of the Solar Evaporation Ponds. The building is located east of 207B Center pond and consists of a wood frame structure covered with galvanized steel siding and a rolled asphalt roof. The building is used as a RCRA storage facility and does not have a history of contamination concerns.

2.0 Project Budget and Cost Plan

The project cost, based from the rough order of magnitude cost estimate from Tom Danielson in ?AUGUST 1994, is \$2,000,000. At the time, only limited information about the facility was available, and the scope estimate from Building 788 was used to develop the ROM number. Engineering & Project Management has prepared a scope level document and has proposed 80 hours to complete a General Engineering Services Title II package to remove the facility.

4.0 Project Justification

This project is required to allow for the optimization of the OU-4 Phase I IM/IRA.

5.0 Assumptions and Basis of Estimate

The engineering BOE's for Title II Design were provided by the engineering disciplines required for the project. The design hour commitments are listed below for Title II Activities:

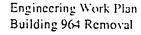
Project Engineer 10 hours Architectural Engineering 80 hours

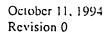
Assumptions made consist of the following:

- 1. Relocation of the wastes (approximately 2092 drums) were not included in the scope.
- 2. The building was assumed to be "clean" from a radiological perspective and could be removed without special contamination concerns. Dick Norton of Rad Engineering stated that no rad concerns presently exist on the facility.
- 3. The building would be removed and disposed of as scrap material or wastes the landfill can take.
- 4. Rad./Haz. Monitoring will be required before anything can be released from the PA.

6.0 Relationship to Other Projects

This project is related to the OU-4 Phase I IM/IRA closure action. This building is to be removed prior to initiating the Phase I work.





7.0 Key Personnel and Responsibilities

Project Manager (PM): T. Kramer

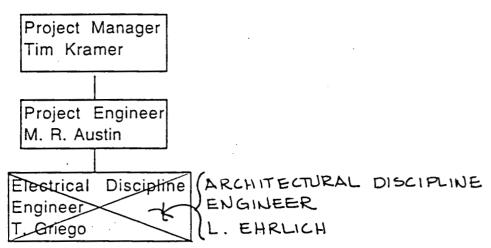
The PM is responsible for all DOE and 4700.1 reporting requirements for the project, work package development and maintenance, and provides the authorization to the Project Engineer to perform the design work for the project. The PM reports to the Program Manger for OU-4.

Project Engineer (PE): M. R. Austin

The PE is responsible for the technical baseline of the project and ensuring the design meets the needs of the PM. The PE is also responsible for coordination of the support disciplines, ensuring schedule and cost commitments for engineering activities are met, compilation of all support discipline deliverables to combine it into one completed Title design package, providing plantwide review of design packages, ensuring compliance with DOE 6430.1A, COEM and RFP Standards. The PE reports directly to the PM.

Architectural Engineer: L. Ehrlich

The architectural discipline engineer is responsible for providing a General Engineering Services (GES) design package which meets the needs identified in the scope document. The design should be in accordance with good engineering practices and meet all applicable requirements. The discipline engineer provides, as a deliverable to the PE, their completed drawings and specifications which meet the applicable design requirements. The discipline engineer is responsible for resolution of comments received from reviewers of the design package and receiving approvals required by their design managers.



Organizational Breakdown Structur

9.0 Schedule Requirements

(See Next Page)

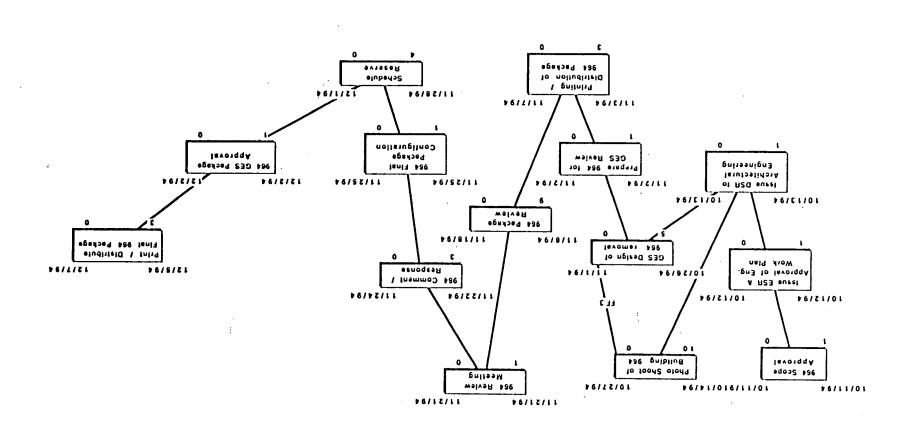
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Name	Earliest Start	Earliest Finish	Duration	% Done
964 Scope Approval	10/11/94	10/11/94	1	0
Issue ESR & Approval of	10/12/94	10/12/94	1	0
Issue DSR to Architectural	10/13/94	10/13/94	1	0
Photo Shoot of Building	10/14/94	10/27/94	1 0	0
GES Design of 964	10/26/94	11/1/94	5	0
Prepare 964 for GES	11/2/94	11/2/94	1	0
Printing / Distribution of	11/3/94	11/7/94	3	. 0
964 Package Review	11/8/94	11/18/94	9	0
964 Review Meeting	11/21/94	11/21/94	1	0
964 Comment / Response	11/22/94	11/24/94	3	0
964 Final Package	11/25/94	11/25/94	1	0
Schedule Reserve	11/28/94	12/1/94	. 4	0
964 GES Package Approval	12/2/94	12/2/94	1	0
Print / Distribute Final	12/5/94	12/7/94	3	0

10/11/94

Building 964 Removal - EWP Schedule

B

Building 964 Removal - EWP Schedule



TECHNICAL SCOPE & CONSTRUCTION SPECIFICATIONS for BUILDING 964 REMOVAL

Prepared by:

EG&G ROCKY FLATS, INC. Engineering and Technology Rocky Flats Plant Golden, Colorado

Project No. 989884

December 1, 1994

SECTION 01006-DRAWING LIST

This is a list of the drawings:

DRAWING No. 30000-001 AC 37805-13-01A A

TITLE
AREA PLOT PLAN
BUILDING 964 REMOVAL

SECTION 02050- DEMOLITION TECHNICAL SCOPE

PART I GENERAL

- 1. The building was constructed around 1966 to 1969. The exterior is galvanized steel siding with approximately four feet of corrugated fiberglass around the top. The roof of the building is rolled asphalt roofing system. The building has four sliding doors located on the south face of the building. The doors are supported from and move along a track above the door. The foundation is a thickened concrete slab, this is to remain in place and be disposed of by others. The support structure of the building is heavy timber post and beam framing. There are wood girts spanning between exterior columns which support the exterior siding and corrugated fiberglass. The roof is supported by wood roof trusses. There is one line of interior columns located at the center of the building. The building structure and siding is anticipated to be free released.
- 2. All equipment and materials within the building will be relocated by others, the building is currently being used to store low level waste. There is also a desk, chairs, miscellaneous tools, a storage cabinet and a spill kit cabinet inside of the building.
- 3. There are no known contamination concerns with the building or floor slab. The possibility of RCRA spills from the stored waste on the floor slab does exists.
- 4. All items either removed from the building or rubble from the demolition of the building shall be monitored for radioactive contamination and Hazardous Waste contamination. No building or structure contamination concerns are expected.
- 5. The roofing material also needs to be inspected for possible asbestos. Industrial Hygene shall inspect roofing debris for possible asbestos.
- 6. All work shall be done in accordance with Rocky Flats Health &Safety Practice Manuals.

PART II ARCHITECTURAL

- 1. Before demolition of building 964 all waste storage drums, wood pallets and miscellaneous items shall be removed from the interior of the building by others.
- 2. Demolish building 964 down to the concrete floor slab. This includes but is not limited to removing siding, corrugated fiber glass panels, roofing, girts, purlins and timber support structure.
- 3. Cut all protruding anchor bolts flush with the top of the concrete floor slab.
- 4. Location of a temporary laydown and sorting area shall be decided by Construction Management.
- 5. See Selective Demolition Specification for general requirements.



PART III PIPING/MECHANICAL

1. There are no mechanical systems in the structure therefore no work is required.

PART IV ELECTRICAL

1. There are no electrical systems in the structure therefore no work is required.

PART V FIRE PROTECTION

1. There are no fire protection systems in the structure therefore no work is required.



SECTION 02070-SELECTIVE DEMOLITION

PART I GENERAL

1.1 WORK INCLUDED

- A. Provide all labor, materials, tools and equipement necessary for, or incidental, to the execution of all demolition as shown on the contract drawings and as specified herein in accordance with the provisions of the Contract Documents and completely coordinated with the work of all other trades. Although such work is not specifically shown or specified, all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound secure and complete demolition shall be furnished and installed as part of this work.
- B. Work includes the removal of items indicated on the contract demolition drawings.
- C. Submittal-Ten days prior to start of the work, submit a demolition schedule for approval that outlines proposed demolition start dates and durations. Demolition of existing facilities shall be in accordance with the approved demolition schedule. Changes to the approved schedule shall be subject to approval by the Contractor.
- D. All work shall be performed in accordance with NFPA 241, Standard for Construction, Alteration and Demolition Operations.
- E. Any cutting or welding operations shall require a "Hot Work Permit" from the Fire Prevention Bureau (T371F).
- F. All work shall be performed in accordance with HSP 12.11.

PART II PRODUCTS

2.1 EQUIPMENT: Equipment used in any demolition work must be equipped with safety devices that will adequately protect the operator.

PART III EXECUTION

- 3.1 PROTECTION OF EXISTING WORK: Before beginning any cutting or demolition work, carefully survey the existing work and examine the drawings and specifications to determine the extent of the work. Take all necessary precautions to ensure against damage to existing work to remain in space, to be reused or to remain the property of the Contractor, and any damage to such work shall be repaired or replaced as approved by Contractor at no additional cost to the Contractor. Carefully coordinate the work of this section with all other work.
- 3.2 DUST CONTROL: Not applicable.
- 3.3 BURNING: The use of burning at the project site for the disposal of refuse and debris will not be permitted.
- 3.4 SALVAGE: Removed materials designated for salvage shall be stored in areas on the Rocky Flats plantsite designated by the Contractor. All such material shall remain the property of the Contractor.

3.5 DISPOSAL: All materials not designated for reuse or salvage shall be removed from the jobsite. Disposal of these materials shall be made at a dump site on the Rocky Flats plantsite designated by the Contractor.

END OF SECTION



